



One week workshop on “Geoinformatics in Geology-2”

Organized by
The Department of Geological Sciences, Gauhati University

05-10 December, 2016 (09:30hrs to 17:00hrs)

Aim of the workshop

To impart working level knowledge of Geoinformatics to the students, researchers and faculty members of Earth Science departments.

Course Content

- Introduction to remote sensing, GIS based spatial analysis and GPS.
- Spatial data sources, map elements and resolution, scale, data formats, raster and vector data, sources of error, data processing – basic principle and techniques.
- Datum and projections, transformation of datum.
- Satellite data sources and types; platform and sensor; resolution of satellite images; image enhancement techniques.
- Principles of GPS technology, field data acquisition, processing, sources of error.
- GIS based analysis, working with point, polygon and line data, raster data, spatial analysis.
- Introduction to thermal remote sensing.
- Introduction to microwave and hyperspectral remote sensing.
- Introduction to photogrammetry.
- Application of River Tools for drainage analysis.

Who can apply

- Faculty members from colleges and Universities who are involved in teaching remote sensing and GIS as part of their course curriculum or those actively engaged in research using Geoinformatics as the tool.

Number of participants: limited to 20 (on first cum first serve basis)

How to apply

- Application in plain paper giving details for communication, education qualification, present teaching assignment/ research area and a brief write up on how the proposed training will be useful to the candidate, duly forwarded by the head of the organisation, should be sent by e-mail to the coordinator by 23rd of November, 2016. Shortlisted candidates will be intimated through e-mail by 25th of November :

Dr. Sarat Phukan

Course coordinator, **“Geoinformatics in Geology-2”**

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Registration Fees

- Rs. 2500.00 per candidate (includes working lunch, in session tea/coffee)

Accommodation and travel

- The training course is a self financed one and no sponsorship is availed. Prospective participants will have to bear their own travel and boarding/ lodging expenses. However the organizer may assist them in finding suitable accommodation on payment basis. Effort will also be made to accommodate out station candidates in the university guest house subject to availability.